

TABLE 3: RSA GRADING OF WHITE MAIZE ACCORDING TO GRADE (2017/2018)

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels									
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.								
		ave.	min.	max.	ave.																			min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WM1																															
4	Region 11	2.7	1.1	4.2	1.2	0.6	2.5	3.8	1.8	6.7	0.0	0.0	0.1	0.2	0.0	0.7	4.1	1.8	6.9	0.1	0.0	0.3	0.0	0.0	0.0	0.9	0.2	1.5	0.9	0.2	1.5
14	Region 12	2.7	0.9	5.9	1.8	0.4	5.6	4.5	3.0	6.6	0.0	0.0	0.3	0.0	0.0	0.3	4.5	3.0	6.6	0.7	0.0	5.4	0.2	0.0	1.0	0.4	0.0	1.3	0.6	0.0	2.3
20	Region 13	2.5	0.9	5.1	1.8	0.6	5.0	4.3	1.7	6.4	0.0	0.0	0.2	0.2	0.0	1.2	4.6	1.7	7.3	0.2	0.0	0.7	0.1	0.0	1.2	0.4	0.0	1.0	0.5	0.0	1.9
33	Region 14	2.9	0.2	5.7	1.0	0.1	2.7	3.9	0.3	6.6	0.0	0.0	0.2	0.1	0.0	1.0	4.0	0.3	6.8	0.3	0.0	1.7	0.0	0.0	0.5	0.5	0.0	3.1	0.6	0.0	3.1
7	Region 15	2.8	1.6	3.8	2.0	0.1	3.9	4.8	2.1	6.8	0.0	0.0	0.1	0.0	0.0	0.0	4.8	2.1	6.9	0.2	0.0	0.5	0.1	0.0	0.5	0.8	0.0	2.1	0.9	0.0	2.6
6	Region 16	2.4	0.8	5.3	1.5	0.0	3.0	4.0	0.8	6.7	0.0	0.0	0.0	0.2	0.0	0.8	4.2	1.2	6.8	0.8	0.2	1.4	0.2	0.0	1.5	0.6	0.0	1.7	0.8	0.0	3.2
25	Region 17	2.9	1.0	5.2	1.7	0.5	4.5	4.6	2.6	6.9	0.0	0.0	0.2	0.3	0.0	1.0	4.9	3.0	7.1	0.6	0.0	6.0	0.2	0.0	0.6	0.6	0.0	2.1	0.8	0.0	2.8
14	Region 18	2.7	1.7	4.3	1.7	0.4	3.2	4.4	2.8	7.0	0.1	0.0	0.3	0.2	0.0	0.7	4.7	2.8	7.7	0.5	0.0	1.6	0.2	0.0	1.0	1.0	0.0	2.4	1.2	0.0	2.4
23	Region 19	1.6	0.5	5.4	1.3	0.4	3.8	2.9	1.5	6.8	0.0	0.0	0.2	0.2	0.0	0.7	3.1	1.5	6.8	1.1	0.0	5.5	0.0	0.0	0.0	0.3	0.0	2.9	0.3	0.0	2.9
9	Region 20	2.4	1.2	3.5	1.3	0.6	2.3	3.7	2.2	5.1	0.1	0.0	0.1	0.5	0.0	1.3	4.2	2.9	5.7	0.7	0.0	2.8	0.1	0.0	0.5	0.6	0.0	1.1	0.6	0.0	1.4
11	Region 21	3.2	1.6	4.4	1.6	0.8	2.9	4.8	3.0	6.9	0.1	0.0	0.3	0.2	0.0	0.8	5.1	3.5	7.0	0.1	0.0	0.6	0.2	0.0	0.9	1.1	0.0	2.5	1.2	0.0	3.0
7	Region 22	2.7	1.3	5.4	1.1	0.4	1.9	3.9	2.7	6.3	0.0	0.0	0.2	0.2	0.0	0.7	4.1	2.8	6.6	0.3	0.0	0.7	0.2	0.0	1.0	0.9	0.2	2.1	1.1	0.2	2.4
11	Region 23	2.8	0.8	4.6	1.4	0.4	3.3	4.1	1.3	6.9	0.0	0.0	0.3	0.2	0.0	0.9	4.4	1.3	7.5	0.6	0.0	2.3	0.0	0.0	0.3	0.5	0.0	1.3	0.6	0.0	1.3
12	Region 24	3.7	0.9	6.0	1.8	0.5	4.7	5.5	1.4	7.0	0.0	0.0	0.2	0.2	0.0	0.9	5.7	1.4	7.6	0.3	0.0	1.6	0.0	0.0	0.3	0.7	0.0	1.7	0.7	0.0	1.7
6	Region 26	4.4	3.3	5.6	1.3	0.9	1.6	5.6	4.4	6.9	0.0	0.0	0.2	0.4	0.0	0.8	6.1	4.9	7.5	0.0	0.0	0.1	0.0	0.0	0.0	1.9	1.3	2.5	1.9	1.3	2.5
3	Region 27	2.0	0.9	2.7	2.2	1.1	3.3	4.2	3.1	6.1	0.0	0.0	0.0	0.3	0.0	0.5	4.5	3.1	6.5	0.2	0.2	0.3	0.1	0.0	0.2	0.2	0.0	0.6	0.3	0.0	0.8
13	Region 28	2.7	1.4	4.0	0.9	0.2	1.8	3.6	1.9	4.9	0.0	0.0	0.1	0.1	0.0	0.8	3.7	1.9	5.0	0.4	0.0	2.6	0.1	0.0	0.4	1.0	0.0	2.1	1.1	0.0	2.3
14	Region 29	2.2	0.9	4.2	1.2	0.4	2.7	3.4	1.6	5.5	0.0	0.0	0.2	0.4	0.0	2.1	3.8	1.8	6.9	0.2	0.0	1.4	0.0	0.0	0.2	0.7	0.0	1.9	0.8	0.0	1.9
18	Region 30	2.4	0.5	4.6	1.3	0.3	2.2	3.7	2.0	6.6	0.0	0.0	0.2	0.3	0.0	1.9	4.1	2.2	7.4	0.1	0.0	0.7	0.0	0.0	0.2	0.9	0.0	3.4	1.0	0.0	3.4
9	Region 31	2.4	1.5	3.5	1.0	0.3	1.5	3.4	1.9	4.8	0.0	0.0	0.1	0.6	0.0	2.4	4.0	2.1	7.2	0.4	0.0	1.4	0.1	0.0	0.6	0.7	0.2	1.7	0.7	0.3	1.7
25	Region 32	2.3	0.7	4.6	1.2	0.1	3.2	3.5	1.6	5.8	0.1	0.0	0.2	0.3	0.0	1.4	3.8	1.6	6.9	0.5	0.0	5.8	0.2	0.0	0.7	0.7	0.0	2.1	0.8	0.0	2.9
21	Region 33	3.3	1.3	5.5	1.2	0.2	2.4	4.4	2.2	6.8	0.0	0.0	0.2	0.3	0.0	1.0	4.7	2.2	7.1	0.2	0.0	0.9	0.1	0.0	0.5	0.8	0.0	3.4	0.9	0.0	3.4
30	Region 34	2.7	0.8	5.2	1.5	0.4	2.8	4.2	2.3	6.7	0.0	0.0	0.2	0.5	0.0	2.1	4.8	2.6	7.0	0.6	0.0	2.6	0.0	0.0	0.4	0.9	0.0	2.0	1.0	0.0	2.0
6	Region 35	2.9	1.8	4.7	1.2	0.5	2.1	4.2	2.7	6.9	0.0	0.0	0.1	0.1	0.0	0.2	4.2	2.7	6.9	0.2	0.0	0.4	0.1	0.0	0.5	0.5	0.0	1.0	0.6	0.0	1.5
11	Region 36	3.4	0.8	5.6	1.1	0.1	2.9	4.5	1.0	7.0	0.0	0.0	0.1	0.3	0.0	1.1	4.8	1.0	7.2	0.8	0.0	3.5	0.2	0.0	0.5	0.8	0.0	1.9	0.9	0.2	1.9
352	Ave. WM1	2.7	1.4	6.0	1.4	0.0	5.6	4.1	0.3	7.0	0.0	0.0	0.3	0.3	0.0	2.4	4.4	0.3	7.7	0.4	0.0	6.0	0.1	0.0	1.5	0.7	0.0	3.4	0.8	0.0	3.4
	Min. WM1	0.2	0.0	6.0	0.0	0.0	5.6	0.3	0.3	7.0	0.0	0.0	0.3	0.0	0.0	2.4	4.4	0.3	7.7	0.0	0.0	6.0	0.0	0.0	1.5	0.0	0.0	3.4	0.0	0.0	3.4
	Max. WM1	6.0	5.6	6.0	5.6	0.3	5.6	7.0	0.3	7.0	0.3	0.3	0.3	2.4	2.4	2.4	4.4	0.3	7.7	0.4	0.0	6.0	0.1	0.0	1.5	0.7	0.0	3.4	0.8	0.0	3.4

TABLE 3: RSA GRADING OF WHITE MAIZE ACCORDING TO GRADE (2017/2018) (continue)

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels										
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.									
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.							
GRADE: WM2																																
3	Region 13	6.2	5.6	6.8	2.3	1.5	2.8	8.6	7.8	9.5	0.0	0.0	0.0	0.5	0.3	0.7	9.0	8.4	9.8	0.1	0.0	0.4	0.2	0.0	0.5	1.6	0.0	2.6	1.7	0.0	2.6	
3	Region 14	8.5	7.0	9.7	1.4	1.0	1.7	10.2	8.0	11.3	0.1	0.0	0.4	0.5	0.3	0.7	10.8	9.1	11.8	0.1	0.0	0.2	0.3	0.0	0.8	0.9	0.0	2.0	1.2	0.0	2.8	
7	Region 15	6.6	3.8	10.3	2.1	1.1	3.8	8.7	7.4	12.7	0.0	0.0	0.1	0.0	0.0	0.1	8.8	7.4	12.7	0.8	0.0	1.8	0.0	0.0	0.0	0.5	0.0	1.1	0.5	0.0	1.1	
9	Region 16	4.2	1.8	10.3	5.0	0.8	8.8	9.2	7.4	11.3	0.0	0.0	0.1	0.2	0.0	1.4	9.5	7.5	12.2	0.5	0.0	1.2	0.2	0.0	0.8	1.2	0.0	5.0	1.4	0.0	5.0	
2	Region 17	5.2	3.8	6.7	3.0	1.0	5.0	8.2	7.6	8.8	0.0	0.0	0.0	0.5	0.0	0.9	8.7	8.5	8.8	0.7	0.2	1.3	0.0	0.0	0.0	1.3	0.6	1.9	1.3	0.6	1.9	
1	Region 18	1.4	-	-	11.4	-	-	12.8	-	-	0.0	-	-	0.2	-	-	13.0	-	-	0.0	-	-	0.0	-	-	0.7	-	-	0.7	-	-	
5	Region 19	3.6	1.9	7.4	3.4	1.0	6.9	7.0	2.8	11.0	0.2	0.0	0.5	0.9	0.0	3.9	8.1	3.8	11.3	0.3	0.0	0.7	0.2	0.0	0.9	0.9	0.2	2.6	1.1	0.2	3.5	
3	Region 20	6.5	3.8	8.4	2.5	1.2	3.6	9.0	7.4	9.9	0.2	0.0	0.5	0.1	0.0	0.2	9.2	7.6	10.2	0.3	0.2	0.4	0.1	0.0	0.2	1.1	0.0	2.6	1.2	0.0	2.6	
1	Region 21	9.1	-	-	1.6	-	-	10.7	-	-	0.0	-	-	0.0	-	-	10.7	-	-	0.0	-	-	1.2	-	-	1.9	-	-	3.2	-	-	
2	Region 22	7.5	6.7	8.2	1.0	0.8	1.1	8.4	7.5	9.3	0.0	0.0	0.0	0.1	0.0	0.2	8.6	7.8	9.3	0.2	0.2	0.2	0.3	0.0	0.6	1.7	1.5	2.0	2.0	2.0	2.1	
4	Region 23	7.3	6.7	7.9	2.5	1.7	4.1	9.7	8.4	11.2	0.1	0.0	0.2	0.1	0.0	0.6	9.9	8.4	11.8	0.3	0.0	0.7	0.1	0.0	0.3	2.1	0.9	3.3	2.3	0.9	3.6	
5	Region 24	5.9	3.2	8.5	3.3	1.0	5.8	9.2	7.7	10.8	0.0	0.0	0.1	0.1	0.0	0.5	9.3	7.8	10.8	0.2	0.0	0.7	0.0	0.0	0.0	0.6	0.0	1.6	0.6	0.0	1.6	
4	Region 26	5.8	3.6	7.3	1.8	0.6	4.3	7.6	4.4	9.4	0.0	0.0	0.1	2.5	0.0	5.5	10.1	8.4	14.8	0.2	0.0	0.4	0.0	0.0	0.2	1.4	0.0	2.4	1.4	0.0	2.6	
1	Region 28	11.1	-	-	1.3	-	-	12.4	-	-	0.0	-	-	0.3	-	-	12.7	-	-	0.0	-	-	0.0	-	-	6.0	-	-	6.0	-	-	
1	Region 29	10.7	-	-	1.1	-	-	11.9	-	-	0.0	-	-	2.1	-	-	14.0	-	-	0.0	-	-	0.0	-	-	3.3	-	-	3.3	-	-	
3	Region 30	3.2	1.5	6.5	1.5	1.1	2.1	4.6	2.7	7.5	0.3	0.0	0.5	0.5	0.0	0.9	5.4	3.8	8.4	0.2	0.0	0.3	0.1	0.0	0.2	0.8	0.5	1.1	0.9	0.5	1.3	
3	Region 32	4.9	1.7	7.7	1.7	0.8	2.3	6.5	2.5	10.0	0.1	0.0	0.4	1.7	0.2	4.5	8.4	3.1	14.5	0.2	0.0	0.3	0.3	0.0	0.5	1.6	0.5	2.2	1.8	0.8	2.4	
2	Region 33	6.9	6.8	7.1	0.9	0.7	1.1	7.9	7.8	7.9	0.0	0.0	0.0	0.2	0.0	0.3	8.0	7.8	8.2	0.6	0.0	1.3	0.5	0.0	1.0	2.0	1.4	2.6	2.5	1.4	3.5	
7	Region 34	6.8	4.7	9.9	1.9	0.7	2.7	8.7	7.2	11.3	0.0	0.0	0.2	0.1	0.0	0.5	8.8	7.2	11.3	0.8	0.0	2.0	0.5	0.0	1.7	3.0	0.9	5.7	3.6	1.1	6.4	
2	Region 35	9.7	9.0	10.3	1.2	0.9	1.5	10.9	10.6	11.2	0.2	0.1	0.4	0.2	0.0	0.4	11.3	10.6	12.0	0.0	0.0	0.0	0.5	0.5	0.5	0.9	0.7	1.0	1.4	1.2	1.6	
3	Region 36	6.2	4.4	9.0	1.7	0.2	3.1	8.0	7.1	9.3	0.0	0.0	0.1	0.1	0.0	0.2	8.0	7.1	9.3	0.7	0.5	1.0	0.2	0.0	0.4	2.1	1.2	3.3	2.3	1.6	3.3	
71	Ave. WM2	6.1			2.6			8.7			0.1			0.5			9.2			0.4			0.2			1.5			1.7			
	Min. WM2	1.4			0.2			2.5			0.0			0.0			3.1			0.0			0.0			0.0			0.0			
	Max. WM2	11.1			11.4			12.8			0.5			5.5			14.8			2.0			1.7			6.0			6.4			
GRADE: WM3																																
1	Region 12	20.0	-	-	6.0	-	-	26.0	-	-	0.0	-	-	0.4	-	-	26.3	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	
1	Region 13	8.4	-	-	5.8	-	-	14.2	-	-	0.4	-	-	0.2	-	-	14.7	-	-	0.0	-	-	0.0	-	-	0.7	-	-	0.7	-	-	
2	Region 14	12.3	11.3	13.3	1.5	0.1	2.9	13.8	13.4	14.2	0.1	0.0	0.2	1.6	0.0	3.2	15.5	13.4	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	Region 15	19.3	-	-	3.9	-	-	23.2	-	-	0.0	-	-	0.0	-	-	23.2	-	-	0.0	-	-	0.0	-	-	0.9	-	-	0.9	-	-	

TABLE 3: RSA GRADING OF WHITE MAIZE ACCORDING TO GRADE (2017/2018) (continue)

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels									
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.								
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.						
GRADE: WM3																															
6	Region 16	5.5	1.2	12.4	10.7	1.1	20.7	16.2	13.2	21.9	0.0	0.0	0.3	0.2	0.0	0.5	16.4	13.2	22.1	0.3	0.0	1.4	0.5	0.0	3.1	2.1	0.0	6.5	2.6	0.0	7.3
1	Region 17	3.9	-	-	4.5	-	-	8.3	-	-	0.6	-	-	0.2	-	-	9.1	-	-	0.2	-	-	0.0	-	-	0.6	-	-	0.6	-	-
1	Region 18	12.7	-	-	1.9	-	-	14.6	-	-	0.2	-	-	0.5	-	-	15.3	-	-	2.6	-	-	5.0	-	-	4.4	-	-	9.4	-	-
1	Region 20	9.1	-	-	3.5	-	-	12.6	-	-	0.0	-	-	5.0	-	-	17.6	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 22	12.2	-	-	2.0	-	-	14.2	-	-	0.0	-	-	0.0	-	-	14.2	-	-	0.2	-	-	0.0	-	-	7.1	-	-	7.1	-	-
1	Region 23	10.2	-	-	2.9	-	-	13.1	-	-	0.0	-	-	0.0	-	-	13.1	-	-	0.0	-	-	0.0	-	-	0.5	-	-	0.5	-	-
1	Region 31	1.6	-	-	2.2	-	-	3.8	-	-	0.3	-	-	6.2	-	-	10.4	-	-	0.3	-	-	0.0	-	-	0.5	-	-	0.5	-	-
1	Region 32	2.6	-	-	2.0	-	-	4.6	-	-	0.1	-	-	6.2	-	-	11.0	-	-	0.2	-	-	0.4	-	-	0.2	-	-	0.6	-	-
4	Region 33	11.2	1.6	25.9	1.7	1.0	2.1	13.0	2.6	27.8	0.3	0.0	0.6	0.2	0.0	0.4	13.5	3.4	28.3	0.1	0.0	0.4	0.0	0.0	0.0	0.9	0.5	1.2	0.9	0.5	1.2
1	Region 35	16.2	-	-	2.9	-	-	19.1	-	-	0.0	-	-	0.2	-	-	19.2	-	-	0.0	-	-	0.0	-	-	6.1	-	-	6.1	-	-
23	Ave. WM3	9.5			4.9			14.4			0.1			1.0			15.5			0.2			0.4			1.6			2.0		
	Min. WM3	1.2			0.1			2.6			0.0			0.0			3.4			0.0			0.0			0.0			0.0		
	Max. WM3	25.9			20.7			27.8			0.6			6.2			28.3			2.6			5.0			7.1			9.4		
CLASS: COM																															
1	Region 13	5.7	-	-	2.4	-	-	8.1	-	-	1.0	-	-	0.0	-	-	9.1	-	-	0.0	-	-	0.0	-	-	1.1	-	-	1.1	-	-
2	Region 18	20.6	2.5	38.6	3.3	0.9	5.6	23.8	3.4	44.2	1.5	0.0	3.0	1.1	0.2	2.0	26.4	6.7	46.2	0.1	0.0	0.2	0.0	0.0	0.0	0.9	0.7	1.2	0.9	0.7	1.2
1	Region 20	26.1	-	-	2.6	-	-	28.7	-	-	1.8	-	-	0.0	-	-	30.5	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 21	6.9	-	-	0.7	-	-	7.7	-	-	1.1	-	-	0.2	-	-	8.9	-	-	0.3	-	-	0.5	-	-	5.7	-	-	6.2	-	-
5	Ave. COM	16.0			2.5			18.4			1.4			0.5			20.3			0.2			0.1			1.7			1.8		
	Min. COM	2.5			0.7			3.4			0.0			0.0			6.7			0.0			0.0			0.0			0.0		
	Max. COM	38.6			5.6			44.2			3.0			2.0			46.2			0.3			0.5			5.7			6.2		
451	Ave. white maize	3.7			1.8			5.5			0.1			0.3			5.9			0.4			0.1			0.9			1.0		
	Min. white maize	0.2			0.0			0.3			0.0			0.0			0.3			0.0			0.0			0.0			0.0		
	Max. white maize	38.6			20.7			44.2			3.0			6.2			46.2			6.0			5.0			7.1			9.4		
900	Ave. maize	3.4			1.8			5.2			0.1			0.2			5.5			0.2			0.1			1.0			1.2		
	Min. maize	0.2			0.0			0.3			0.0			0.0			0.3			0.0			0.0			0.0			0.0		
	Max. maize	38.6			20.7			44.2			3.0			6.2			46.2			6.0			5.0			7.1			9.4		